شرکت مهندسی تل تاک
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ST801 VISUAL FAULT LOCATOR

USER MANUAL

CHSource GmbH – Switzerland

1. Summary

This single basic tool is one that all installers an maintenance personnel should have in their tool kit. It is the most economical test tool for quickly verifying continuity. Checking the validity of patch cables before or after installation, test and find breaks in LANs, verifying short lengths of installed fiber, or looking for cracked fiber in splice cases, bad connectors, tight crimps in fiber cable, backbone breaks or anywhere light continuity needs checking.

650 nm visual fault locater is used to identify fiber and locate faults of SM or MM fiber, it is a helpful assistant to dead zone of OTDR, it also a basic maintenance toll for fiber network, LAN, ATM fiber system and telecom network system

1. Functions and feature

2.1 Support CW and 2Hz modulation work mode
2.2 Solid; use special laser end design to avoid damage when dropping on the floor.
2.3 Long working hours: use effective laser drive circuit to ensure 1mW/650 nm locator can work more than 60 hours continuously.
2.4 Stable power output: use special laser driver circuit, which can ensure stable power output in the low battery.
2.5 2,5mm universal adapter: use 2,5mm universal adapter, can match SC/LC adapters.

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1. Specifications

Wavelenght	**650nm±10nm**
Light source	**FP-LD laser**
Output power	**1,2,3,5,7,10,15 or 20mW**
Connector	**2.5mm universal adapter**
Working mode	**CW or 2Hz modulation**
Operating temp.	**0 - +40°C**
Storage temp.	**-25 - +40°C**
Power	**2pcs AA battery**
Working hours	**≥ 60**
Weight	**100g (excluding batteries)**
Dimension (mm)	**23 x 207**

2. Operation

4.1 Put 2 pc AA battery into this locator, press "PWR", the indicator is on, the locator output 650 nm laser.
4.2 Press "MOD", the locater and indicator are blinking at the same time, the frequency is about 2Hz, which is convenient to check line faults.

5. Maintenance

5.1 This visual fault locater is metal shell; please avoid collision, strong acid, alkali and other hazardous substances.
5.2 Keep laser connector head face clean, please do not use dirty and nonstandard adapter connector, do not insert bad polished surface head face, otherwise the laser head face will get hurt.

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Before using, please use absorbent cotton with alcohol to clean fiber ceramics core, after drying to test.
5.3 When not using the visual fault locater, please cover dust cap to keep head face clean, which can ensure enough power output.
5.4 Please take battery out if not use, which can ensure the battery working live.
5.5 Note: when the visual fault locater is working, it is forbidden that eyes stare output end of the laser which will hurt eyes and skin.

3. Simple faults and Solution

Faults	Reasons	Solutions
No output when power on	Low voltage	Replace battery
Small output power	Laser head face is dirty or low voltage	Clean laser head face or replace battery

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